



# National Weather Service

## Storm Data and Unusual Weather Phenomena



March 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	

### INDIANA, Southeast

<b>INZ058</b>									
<b>Fayette</b>									
	<b>02</b>	<b>0530EST</b>			<b>0</b>	<b>0</b>			<b>Flood</b>
	<b>03</b>	<b>0000EST</b>							
Heavy rainfall occurred on the 1st and 2nd of March causing the Whitewater river at Alpine to overflow it's banks. The crest of 13.4 feet occurred at 400 pm on March 2nd causing low lying agricultural areas to be flooded. Flood stage is 12.0 feet.									
<b>INZ074&gt;075-080</b>									
<b>Dearborn - Ohio - Switzerland</b>									
	<b>02</b>	<b>2300EST</b>			<b>0</b>	<b>0</b>	<b>6M</b>		<b>Flood</b>
	<b>11</b>	<b>0600EST</b>							
Heavy rain fell across the Ohio valley on the 1st and 2nd with some areas upstream over Southern Ohio and Northern Kentucky receiving up to 12 inches. The Ohio river rose rapidly and reached a crest of 60.7 feet at 300 pm on the 6th at Markland Dam, which is just across the river in Kentucky. Many towns were flooded and hundreds of people were evacuated from their homes for several days.									
<b>Switzerland County</b>									
<b>Vevay</b>	<b>28</b>	<b>1930EST</b>			<b>0</b>	<b>0</b>	<b>50K</b>		<b>Thunderstorm Wind (G50)</b>
		<b>1935EST</b>							
Barn blown down.									
<b>Ripley County</b>									
<b>Cross Plains</b>	<b>28</b>	<b>1935EST</b>			<b>0</b>	<b>0</b>			<b>Hail (1.75)</b>
		<b>1940EST</b>							
<b>Dearborn County</b>									
<b>Aurora</b>	<b>28</b>	<b>2000EST</b>			<b>0</b>	<b>0</b>	<b>30K</b>		<b>Thunderstorm Wind (G50)</b>
		<b>2005EST</b>							
A roof was blown off a house and landed on a trailer.									
<b>Ripley County</b>									
<b>Versailles</b>	<b>28</b>	<b>2003EST</b>			<b>0</b>	<b>0</b>			<b>Hail (1.00)</b>
		<b>2010EST</b>							
<b>Ohio County</b>									
<b>Rising Sun</b>	<b>28</b>	<b>2035EST</b>			<b>0</b>	<b>0</b>	<b>3K</b>		<b>Thunderstorm Wind (G50)</b>
		<b>2040EST</b>							
Numerous trees downed.									
<b>Franklin County</b>									
<b>Brookville</b>	<b>28</b>	<b>2041EST</b>			<b>0</b>	<b>0</b>			<b>Hail (0.75)</b>
		<b>2045EST</b>							
<b>Dearborn County</b>									
<b>Lawrenceburg</b>	<b>28</b>	<b>2053EST</b>			<b>0</b>	<b>0</b>			<b>Hail (1.00)</b>
		<b>2057EST</b>							
<b>Wayne County</b>									
<b>Hagerstown</b>	<b>28</b>	<b>2100EST</b>			<b>0</b>	<b>0</b>	<b>3K</b>		<b>Thunderstorm Wind (G50)</b>
		<b>2105EST</b>							
Numerous trees downed.									
<b>Ripley County</b>									
<b>Lookout to Sunman</b>	<b>28</b>	<b>2100EST</b>			<b>0</b>	<b>0</b>	<b>100K</b>		<b>Thunderstorm Wind (G60)</b>
		<b>2120EST</b>							
Shed blown over, trampoline blown into a tree, barn destroyed, greenhouse damaged, roof damage to several homes, and numerous trees downed.									
<b>Union County</b>									
<b>Liberty</b>	<b>28</b>	<b>2100EST</b>			<b>0</b>	<b>0</b>	<b>5K</b>		<b>Hail (0.88)</b>
		<b>2105EST</b>							
Numerous car windows broken by large hail.									
<b>Dearborn County</b>									
<b>Lawrenceville to Aurora</b>	<b>28</b>	<b>2110EST</b>			<b>0</b>	<b>0</b>	<b>100K</b>		<b>Thunderstorm Wind (G60)</b>
		<b>2130EST</b>							
Numerous trees downed, four roofs damaged, barn blown off foundation, and transformer lines pulled out of the ground by winds.									
<b>Fayette County</b>									
<b>Connersville</b>	<b>28</b>	<b>2115EST</b>			<b>0</b>	<b>0</b>	<b>3K</b>		<b>Thunderstorm Wind (G50)</b>
		<b>2120EST</b>							
Numerous power lines downed by high winds.									



# National Weather Service

## Storm Data and Unusual Weather Phenomena



March 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
----------	------	----------------------------	---------------------------	--------------------------	--------------------------------	---------------------------------	---------------------------------	------------------------------	--------------------

### INDIANA, Southeast

#### Franklin County

Countywide	28	2125EST 2135EST			0	0	10K		Thunderstorm Wind (G50)
------------	----	--------------------	--	--	---	---	-----	--	-------------------------

Numerous trees and power lines downed.

#### Switzerland County

Bennington	28	2145EST 2150EST			0	0	10K		Thunderstorm Wind (G50)
------------	----	--------------------	--	--	---	---	-----	--	-------------------------

Numerous trees downed and several roofs damaged.

### KENTUCKY, Northern

#### Mason County

Countywide	01 02	0720EST 0800EST			1	0	500K		Flash Flood
------------	----------	--------------------	--	--	---	---	------	--	-------------

Estimated rainfall from 5 to over 12 inches across the county in less than 36 hours caused area creeks and streams to rise out of their banks. Numerous roads were covered by water causing several vehicles to stall in the water. Some people had to be rescued from their vehicles. Three bridges were washed out and water flooded into some homes. An area man drowned when water engulfed his truck along the North Fork of the Licking River. M24VE

#### Bracken County

Countywide	01 02	0900EST 0800EST			0	0	1M		Flash Flood
------------	----------	--------------------	--	--	---	---	----	--	-------------

Estimated rainfall from 8 to over 12 inches across the county in less than 36 hours caused numerous creeks and streams to rise out of their banks. Many roads were closed due to high water and two mobile homes were washed away. Much of Milford was under water for several hours.

#### Pendleton County

Countywide	01 02	0925EST 0800EST			0	0	10M		Flash Flood
------------	----------	--------------------	--	--	---	---	-----	--	-------------

Estimated rainfall of 6 to 12 inches across the county in less than 36 hours caused numerous creeks and streams to rise out of their banks. Many roads across the county were covered and some were even washed out. Several evacuations occurred across the county.

#### Grant County

Countywide	01 02	0930EST 0800EST			0	0	1M		Flash Flood
------------	----------	--------------------	--	--	---	---	----	--	-------------

Estimated rainfall from 6 to 12 inches across the county in less than 36 hours caused water to rise across most county roads.

#### Owen County

Countywide	01 02	1130EST 0800EST			2	0	2.1M		Flash Flood
------------	----------	--------------------	--	--	---	---	------	--	-------------

Estimated rainfall of 10 to 15 inches across the county in less than 36 hours caused many area creeks and streams to rise out of their banks. Numerous roads were flooded across the entire county. Two people were killed when their car was swept into flooded backwaters of the Kentucky River along State Route 355 near Perry Park.

M65VE, F65VE

#### Robertson County

Countywide	01	1137EST 2330EST			0	0	500K		Flash Flood
------------	----	--------------------	--	--	---	---	------	--	-------------

Estimated rainfall of 6 to 8 inches across the county in less than 36 hours caused area creeks and streams to rise out of their banks. Numerous roads were flooded.

#### KYZ096

##### Pendleton

01 06	1230EST 1500EST			5	0	35M		Flood
----------	--------------------	--	--	---	---	-----	--	-------

Persistent heavy rainfall occurred for nearly 36 hours on the 1st and 2nd. Up to 12 inches of rain fell across parts of Northern Kentucky bringing the Licking river at Falmouth out of its banks. On the evening of the 2nd, the river crested at over 50 feet, which is the highest stage on record. The crest is an estimation since the gage was under water. Over 80 percent of Falmouth was inundated with water and almost the entire town of 2400 residents was evacuated. The town of Butler also experienced significant flooding. US 27 and Route 22 were covered by high water. Five people were killed by the river flooding all of which returned to their homes after being evacuated to shelters. M53MH, F54MH, F14MH, F75PH, M27IW

#### Gallatin County

Countywide	01	1312EST 1930EST			1	0	100K		Flash Flood
------------	----	--------------------	--	--	---	---	------	--	-------------

Estimated rainfall of 6 to 8 inches across the county in less than 36 hours caused area creeks and streams to overflow their banks.



# National Weather Service

## Storm Data and Unusual Weather Phenomena



March 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
----------	------	----------------------------	---------------------------	--------------------------	--------------------------------	---------------------------------	---------------------------------	------------------------------	--------------------

### KENTUCKY, Northern

Several roads were closed across the entire county. One death occurred when the car stalled in high water and the driver of the car drowned. F53VE

#### **Carroll County Countywide**

01	1320EST				0	0	500K		<b>Flash Flood</b>
02	2000EST								

Estimated rainfall of 6 to 10 inches across the county in less than 36 hours caused area creeks and streams to rise out of their banks. Many secondary roads were closed countywide and 8 homes were flooded in Sanders.

#### **Lewis County Countywide**

01	1320EST				0	0	500K		<b>Flash Flood</b>
02	0800EST								

Estimated rainfall of 4 to 8 inches across the county in less than 36 hours caused area creeks and streams to rise out of their banks. Numerous roads were closed due to high water and several evacuations occurred. A few bridges were washed away. The worst property damage occurred along Kinniconick Creek.

#### **Carroll County Carrollton**

28	1915EST				0	0			<b>Hail (1.00)</b>
	1920EST								

#### **Carroll County Carrollton**

28	2020EST				0	0			<b>Hail (0.75)</b>
	2025EST								

#### **Gallatin County Warsaw**

28	2121EST				0	0	3K		<b>Thunderstorm Wind (G50)</b>
	2125EST								

Numerous trees downed.

#### **Boone County Florence**

28	2148EST				0	0	3K		<b>Thunderstorm Wind (G50)</b>
	2152EST								

Numerous trees downed.

#### **Kenton County Ft Mitchell**

28	2150EST				0	0	3K		<b>Thunderstorm Wind (G50)</b>
	2155EST								

Numerous trees downed.

#### **Campbell County Alexandria**

28	2201EST				0	0			<b>Thunderstorm Wind (G52)</b>
	2203EST								

Spotter reported a gust to 60 mph.

### OHIO, Southwest

**OHZ015>016-024>025-034**

#### **Paulding - Putnam - Van Wert - Allen - Mercer**

01	0000EST				0	0			<b>Flood</b>
02	0500EST								

Heavy rainfall brought area rivers, including the Blanchard, Maumee, Auglaize, and St. Mary's rivers, out of their banks in late February. The crests occurred in late February but flooding continued into early March. The Blanchard river at Ottawa, which flooded area farmland and several city streets, went below flood stage on March 2nd at 500 am. Flood stage is 23.0 feet. The Auglaize river fell below flood stage at 300 pm on March 1st.

#### **Scioto County Countywide**

01	0730EST				0	0	3M		<b>Flash Flood</b>
02	0800EST								

Estimated rainfall of 5 to 10 inches across the county in less than 36 hours caused numerous creeks and streams to rise out of their banks. Numerous roads were covered and at least 2000 people were evacuated as water rose into many area homes. Several cars were washed away. Across the county, at least 10 bridges were washed out, 200 homes damaged beyond repair, and 400 additional homes received repairable damage.

#### **Adams County Countywide**

01	0755EST				2	0	8M		<b>Flash Flood</b>
02	0800EST								

Estimated rainfall of 6 to 12 inches across the county in less than 36 hours caused area creeks and streams to rise out of their banks. Numerous roads were closed due to high water. Several rescue operations occurred. Five hundred homes were damaged beyond



# National Weather Service

## Storm Data and Unusual Weather Phenomena



March 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
----------	------	----------------------------	---------------------------	--------------------------	--------------------------------	---------------------------------	---------------------------------	------------------------------	--------------------

### OHIO, Southwest

repair with 700 more having reparable damage. Two people were killed during this event. A boy was swept away while riding an all-terrain vehicle and a woman was killed when her car was swept off a bridge along State Route 32 near Lawshe. Her husband survived by clinging to a tree. M16VE, F34VE

#### OHZ081

##### Adams

<b>01</b>	<b>0800EST</b>	<b>0</b>	<b>0</b>	<b>1M</b>	<b>Flood</b>
<b>02</b>	<b>2330EST</b>				

Persistent heavy rainfall of over 10 inches in less than 36 hours caused the Ohio Brush Creek to rise rapidly out its banks. The river crested at 31.0 feet which is the second highest stage on record and the highest since 1962. More than 20 miles of State Rte 348 were covered and Routes 32 and 41 outside of Peebles were flooded. Also, water flooded onto State Rte 125 near West Union. Numerous homes and farms were flooded.

#### Clermont County

##### Felicity

<b>01</b>	<b>0908EST</b>	<b>0</b>	<b>0</b>	<b>10K</b>	<b>Flash Flood</b>
	<b>1100EST</b>				

Very heavy rainfall persisted for over 12 hours causing creeks and streams to rise out of their banks over the southern part of the county. Several roads and bridges were covered with water.

#### Brown County

##### Countywide

<b>01</b>	<b>1038EST</b>	<b>1</b>	<b>0</b>	<b>2M</b>	<b>Flash Flood</b>
<b>02</b>	<b>0800EST</b>				

Estimated rainfall as high as 12 inches in less than 36 hours over the southeastern part of the county caused many creeks and streams to overflow their banks. The waters rose into several homes causing evacuations to occur. Also, numerous roads were flooded and some bridges were washed out. A man was killed on State Route 763 when he climbed from his car after it became surrounded by water. He was swept away by the swift currents. M24VE

#### OHZ064-073-082-088

##### Pickaway - Ross - Pike - Scioto

<b>01</b>	<b>2000EST</b>	<b>0</b>	<b>0</b>		<b>Flood</b>
<b>05</b>	<b>0600EST</b>				

Heavy rainfall on the 1st and 2nd brought the Scioto River out of its banks. At Piketon, the river crested at 28.0 feet at 800 am on the 3rd causing serious flooding of agricultural land. Also, significant backwater flooding occurred in area creeks. Flood stage is 18.0 feet. At Circleville, the river crested at 14.9 feet at 315 pm on the 3rd causing flooding of bottomland areas near Circleville and all across Pickaway county. Flood stage is 14.0 feet.

#### Clermont County

##### Countywide

<b>02</b>	<b>0030EST</b>	<b>0</b>	<b>0</b>	<b>10K</b>	<b>Flash Flood</b>
	<b>0800EST</b>				

Heavy rainfall returned to the county causing creeks and streams to rise out of their banks. Water covered roads in many parts of the county.

#### Ross County

##### Countywide

<b>02</b>	<b>0100EST</b>	<b>0</b>	<b>0</b>	<b>250K</b>	<b>Flash Flood</b>
	<b>0800EST</b>				

Heavy rainfall occurred for the second night in a row causing area creeks and streams to rise out of their banks. Numerous roads were covered by high water. Several evacuations occurred as 32 homes were damaged by the flooding.

#### Hocking County

##### Countywide

<b>02</b>	<b>0100EST</b>	<b>0</b>	<b>0</b>	<b>1M</b>	<b>Flash Flood</b>
	<b>0600EST</b>				

Heavy rainfall visited the county for the second night in a row causing area creeks and streams to rise out of their banks. Numerous roads were flooded and severely damaged. Also, 6 homes were damaged by high water.

#### Highland County

##### Rocky Fork Lake

<b>02</b>	<b>0100EST</b>	<b>0</b>	<b>0</b>	<b>400K</b>	<b>Heavy Rain</b>
	<b>0600EST</b>				

Rocky Fork Lake came out of it's banks causing damage to the local state park and flooding 3 homes.

#### OHZ073

##### Ross

<b>02</b>	<b>0215EST</b>	<b>0</b>	<b>0</b>		<b>Flood</b>
	<b>1400EST</b>				

Heavy rainfall occurred on the 1st and 2nd bringing Paint Creek at Bourneville out of its banks. The river crested at 13.7 feet at 630 am on the 2nd causing flooding on Alum Cliff Road and low land flooding in Paxton and Twin Townships in Ross county.

#### OHZ074

##### Hocking

<b>02</b>	<b>0300EST</b>	<b>0</b>	<b>0</b>	<b>1M</b>	<b>Flood</b>
<b>03</b>	<b>1400EST</b>				

Heavy rainfall on the 1st and 2nd caused the Hocking River at Enterprise to rise out of its banks. U.S. Rte 33 and State Rte. 93 were flooded as well as numerous low lying roads in Sugar Grove. Rockbridge Elementary school and several nearby homes were flooded. The river reached a crest of 15.1 feet at 300 pm on the 2nd. Flood stage is 12.0 feet.



# National Weather Service

## Storm Data and Unusual Weather Phenomena



March 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<b><u>OHIO, Southwest</u></b>									
<b>Pike County</b>									
Countywide	02	0400EST 0800EST			1	0	1.5M		Flash Flood
Persistent heavy rainfall caused area creeks and streams to rise out of their banks. Numerous roads were closed due to high water. Breaks occurred in Crooked Creek's earthen levee destroying houses, cars, and several restaurants and businesses in Waverly. A total of 224 homes were flooded and 70 evacuations occurred. An elderly man drowned as Sunfish creek flooded his home. He had been advised to evacuate but decided to stay. M87PH									
<b>OHZ077&gt;079-081-088</b>									
<b>Hamilton - Clermont - Brown - Adams - Scioto</b>									
	02 11	0830EST 0300EST			0	0	15M		Flood
Heavy rainfall occurred across Southern Ohio and Northern Kentucky on the 1st and 2nd with areas along the Ohio river receiving up to 12 inches of rainfall. The river rose rapidly reaching a crest of 59.8 feet at Portsmouth at 1000 pm on the 4th. Flood stage is 50.0 feet. Further downstream at Meldahl Dam, the river crested at 61.3 feet at 700 pm on the 6th. Flood stage is 51.0 feet. In Cincinnati, the river crested at 64.7 feet at 1100 pm on the 5th. Many towns were flooded from Portsmouth to Cincinnati and thousands of people were evacuated from their homes for several days.									
<b>OHZ077</b>									
<b>Hamilton</b>									
	02	0900EST 1700EST			0	0			Flood
Heavy rainfall that occurred on the 1st and 2nd caused the Great Miami River at Miamitown to rise out of its banks. However, only the areas immediately surrounding the river were affected. The crest of 16.4 feet occurred at 130 pm on the 2nd. Flood stage is 16.0 feet.									
<b>Scioto County</b>									
Hales Creek to Minford	03	1100EST 1300EST			0	0	5K		Flash Flood
Heavy rainfall fell on already saturated areas of the county causing Hales creek to flood along State Route 140. Roads were closed near Minford due to high water.									
<b>Scioto County</b>									
Countywide	05	1100EST 1200EST			0	0	3K		Flash Flood
Heavy rainfall for the third time in less than one week caused several creeks and streams to overflow their banks.									
<b>OHZ071</b>									
<b>Warren</b>									
	25	1000EST 1200EST			0	0	3K		High Wind (G50)
Numerous trees and power lines downed. A sheet metal roof was damaged.									
<b>OHZ044&gt;045</b>									
<b>Logan - Union</b>									
	25	1100EST 1300EST			0	1	50K		High Wind (G50)
Strong winds caused 2 tractor-trailers carrying mobile homes to flip over closing U.S. Rte 33 for 2 hours and 40 minutes. One person received minor injuries. Several trees were blown down and a few windows were broken by flying debris.									
<b>Clermont County</b>									
Milford	28	2020EST 2025EST			0	0			Hail (0.75)
<b>Hamilton County</b>									
Terrace Park	28	2030EST 2035EST			0	0			Hail (1.00)
<b>Preble County</b>									
Gettysburg	28	2120EST 2125EST			0	0			Hail (0.75)
<b>Hamilton County</b>									
Cleves	28	2140EST 2145EST			0	0			Hail (0.75)
<b>Butler County</b>									
Millville	28	2150EST 2155EST			0	1	10K		Thunderstorm Wind (G60)
Numerous trees downed. One tree fell on a mobile home, crushing a door frame and collapsing part of a wall. One person received a sprained arm and a bruised back.									



# National Weather Service

## Storm Data and Unusual Weather Phenomena



March 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
----------	------	----------------------------	---------------------------	--------------------------	--------------------------------	---------------------------------	---------------------------------	------------------------------	--------------------

### OHIO, Southwest

#### **Darke County**

<b>Greenville</b>	28	2155EST 2200EST			0	0			Hail (1.00)
-------------------	----	--------------------	--	--	---	---	--	--	-------------

#### **Clermont County**

<b>Batavia</b>	28	2205EST 2208EST			0	0			Thunderstorm Wind (G52)
----------------	----	--------------------	--	--	---	---	--	--	-------------------------

Spotter reported a gust to 60 mph.

#### **Warren County**

<b>Lebanon</b>	28	2205EST 2210EST			0	0			Thunderstorm Wind (G52)
----------------	----	--------------------	--	--	---	---	--	--	-------------------------

Off duty National Weather Service employee reported a gust to 60 mph.

#### **Montgomery County**

<b>Brookville</b>	28	2225EST 2230EST			0	0			Thunderstorm Wind (G76)
-------------------	----	--------------------	--	--	---	---	--	--	-------------------------

Anemometer recorded a gust to 88 mph. Local police estimated a gust to be 75 mph.

#### **Highland County**

<b>Leesburg</b>	28	2235EST 2240EST			0	0			Hail (0.75)
-----------------	----	--------------------	--	--	---	---	--	--	-------------

#### **Greene County**

<b>Xenia</b>	28	2235EST 2238EST			0	0			Thunderstorm Wind (G74)
--------------	----	--------------------	--	--	---	---	--	--	-------------------------

An anemometer reported a wind gust to 86 mph.

#### **Brown County**

<b>Mt Orab</b>	28	2240EST 2243EST			0	0	3K		Thunderstorm Wind (G50)
----------------	----	--------------------	--	--	---	---	----	--	-------------------------

Numerous power lines downed by winds.